Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/02/2019 11:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125198	0	2.10	125267	2.05
Blue	F	SSC	125000	124677	-1	3.77	125451	3.70
Blue	E	FITC	16694	16428	-2	3.82	382	22.50
Blue	D	PE	32792	32392	-2	3.07	713	16.99
Blue	B	PerCP-Cy5-5	44451	44211	-1	4.73	1213	23.80
Blue	A	PE-Cy7	33645	34136	1	7.27	611	50.86
Red	C	APC	47008	46955	-1	3.11	1816	13.60
Red	A	APC-Cy7	32298	31627	-3	2.97	793	14.19
Violet	B	V450	8961	8542	-5	4.51	572	14.53
Violet	A	V500	32726	31263	-5	4.22	772	11.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20863	5.03	613	0	N/A	N/A	Pass
Blue	F	SSC	56500	3.22	585	17	N/A	N/A	Pass
Blue	E	FITC	63	72.41	570	7	0.0144	114	Pass
Blue	D	PE	141	59.30	575	9	0.1176	270	Pass
Blue	B	PerCP-Cy5-5	221	57.71	679	8	0.0068	38	Pass
Blue	A	PE-Cy7	117	127.62	736	10	0.0080	24	Pass
Red	C	APC	413	29.39	615	2	0.0187	153	Pass
Red	A	APC-Cy7	195	32.43	585	0	0.0046	1258	Pass
Violet	B	V450	121	44.35	487	1	0.0258	1270	Pass
Violet	A	V500	118	35.11	497	1	0.0168	612	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/02/2019 11:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.65	-31.97	1.04
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.63	13.60 - 20.40	N/A	N/A	28.84	29.50	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11419

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments